

Date: Mon, 12 Jul 93 12:08:38 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #844  
To: Info-Hams

Info-Hams Digest                      Mon, 12 Jul 93                      Volume 93 : Issue 844

## Today's Topics:

(none)  
Collins Mech Filters  
Comment on HW-100 ?  
Field Day Score Rumors  
Flooding and Hams m (2 msgs)  
Icom IC3-SAT M0d?  
Kenwood TH28 intermod problem.  
Pictures from Ham-Satellite-CCD-Cameras  
quagi design guidelines?  
Questions on HTs (2 msgs)  
SWR  
SWR!  
U of I, IP address??  
VHF E-SKIP/Weekly Rpt./W1DGA  
Yaesu FT-530 or Alinco DJ-580T?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 12 Jul 93 12:26:36 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

ADD REC.RADIO.SWAP

Date: 12 Jul 1993 13:43:50 GMT  
From: news.acns.nwu.edu!casbah.acns.nwu.edu!rdewan@network.UCSD.EDU  
Subject: Collins Mech Filters  
To: info-hams@ucsd.edu

In article <9307100257.AA26829@tecnet1.jcte.jcs.mil> jdelancy@tecnet1.jcte.jcs.mil writes:

>Looking for anyone that wants to part with Collins Mechanical  
>filters for the KWS-1, specially (in order of pref) the  
>455K31, 455N31, or 455J31 (Collins Component numbers).  
>

DEBCO Electronics of Cincinnati OH is selling Collins 455Kcs mechanical filters for \$5. The catch: the bw is 30kc. Can the bandwidth of these be easily reduced?

Rajiv  
aa9ch  
Address: r-dewan@nwu.edu  
Phone: None on HF. Only CW.  
Look for aa9ch/m on bottom end of 10m-80m.

-----  
Date: Mon, 12 Jul 1993 13:35:25 GMT  
From: swrinde!cs.utexas.edu!uwm.edu!linac!att!att!bigtop!drutx!  
paul@network.UCSD.EDU  
Subject: Comment on HW-100 ?  
To: info-hams@ucsd.edu

Mohan...do yourself a favor...don't buy it. For 250 bucks you can buy yourself a decent used rig that will not need repair. The HW-100 was only an OK rig when they worked well. The other equipment you listed that was in the deal wasn't much better.

Paul WB0ZRD

-----  
Date: Mon, 12 Jul 1993 17:12:48 GMT  
From: pa.dec.com!e2big.mko.dec.com!peavax.mlo.dec.com!mast.enet.dec.com!  
reisert@decwrl.dec.com  
Subject: Field Day Score Rumors  
To: info-hams@ucsd.edu

1993 ARRL Field Day Score Rumors  
13 July 1993 - Jim Reisert AD1C

Send scores to reisert@mlo.dec.com

Call Class	Sec	Power	CW	Phone	Bonus	Score
#ops						

NN7N 1A	WWA	150	479	394	700	3404	6
K6XO 1A	UT	150	305	315	300	2150	7
NF3I 1A	MDC	3.5	119	0		1190	3

WA3NNA	1B	SNJ	5	53		200	730	1
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WB9IVR/4	1D	SFL	150		44		88	1
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AA4LR	1E	GA	80		1004		2008	
VE5VA	1E	SK	5	161	3		1625	1
N1EE/6	1E	SCV	5	102			1020	1
KI6VY	1E	LAX	100	1	123		248	1

KP2N 2A	VI	150	1938	3314	1200	15580		
K6NA 2A	SDGO	150	1668	1595	1100	10962		
N4AR 2A	KY					9240	9	
W0DZ 2A	CO		1180	1800	800	9120		
W6YL 2A			1123	1751	900	8894	13	
W6PYX	2A			1171	1098	1000	7906	6
W6PYX	2A	SV	100				7700	
K2GQ 2A	NNJ	150	695	944	800	5455		
(1) 2A	STX		1325	1350	all			

K0NA 2A	Abat	CO	5	1171	910	1010	17270	
---------	------	----	---	------	-----	------	-------	--

N6AW 3A	ORG		1976	2555	1200	14214		
KE0A 3A	ND		923	734	1260	6420		

K5TA 3B	NM	100	1063	1075	600	7002	2	
---------	----	-----	------	------	-----	------	---	--

WT1E 5A	EMA	150	1917	2278	1400	13624	20	
WA2LQ0	5A	NLI		506	776	1400	5386	

(1) Texas DX Society, callsign?

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James J. Reisert	Internet:	reisert@mast.enet.dec.com
Digital Equipment Corp.	UUCP:	...decwrl!mast.enet.dec.com!reisert
146 Main Street - ML03-6/C9	Voice:	508-493-5747
Maynard, MA 01754	FAX:	508-493-0395

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Date: Mon, 12 Jul 1993 12:38:47 GMT  
From: usc!howland.reston.ans.net!ux1.cso.uiuc.edu!newsrelay.iastate.edu!  
news.iastate.edu!IASTATE.EDU!wjturner@network.UCSD.EDU  
Subject: Flooding and Hams m  
To: info-hams@ucsd.edu

In article <1993Jul9.213148.6166@serval.net.wsu.edu>,  
i7994779@wsuaix.csc.wsu.edu (Patrick D. Walters) writes:  
> I was curious what roles the ARES and theNTS were playing in the flood  
> areas along the Mississippi. Also are HAMS active in Mexico with the  
> Hurricane there?

Well, I can't exactly say about along the Mississippi, but as you have probably  
heard, Des Moines, Iowa, had a little bit of flooding over the weekend.  
(Nothing much, just lost tap water and electricity for most of the Metro area  
and downtown is under water. ;)  
Anyway, the Des Moines Radio Amateur Association (DMRAA) has set up stations at  
several sites across the city--Polk County Sheriff, City Police, various state  
and county offices, and the Red Cross--and have been relaying a \*lot\* of  
emergency traffic. They plan to continue this for at least several more days,  
working in 6 hour shifts.

--  
Will Turner, NØRDV  
wjturner@iastate.edu | "Are you going to have any professionalism, |  
twp77@isuvax.iastate.edu | or am I going to have to beat it into you?" |  
TURNERW@vaxld.ameslab.gov -----

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Date: Mon, 12 Jul 1993 16:13:42 GMT  
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!  
howland.reston.ans.net!noc.near.net!squam.banyan.com!banyan.com!  
dts@network.UCSD.EDU  
Subject: Flooding and Hams m  
To: info-hams@ucsd.edu

In article <1993Jul9.213148.6166@serval.net.wsu.edu>, i7994779@wsuaix.csc.wsu.edu  
(Patrick D. Walters) writes:  
|> I was curious what roles the ARES and theNTS were playing in the flood  
|> areas along the Mississippi. Also are HAMS active in Mexico with the  
|> Hurricane there?

What I have heard is that ARES people are manning the levies and reporting water  
levels. There may be some other activities as well. At this time, the normal  
means of communication (telephones, public safety radio, etc) are all functioning  
normally in most areas.

I've also heard from a friend at FEMA that while they have many people on the scene, there has been no need for their communications folks yet. hurricanes produce much greater communications needs than floods, it would seem.

I have not heard anything about hams in mexico, other than an interesting exchange on the maritime mobile net the other night. CNN and Headline News were reporting Puerto Vallarta was being hit by the hurricane. A ham in Puerto Vallarta was saying on the net that there was no such problem (heavy rain, yes, damage, no), and was asking someone to call CNN (which they were watching down there) to get CNN to stop freaking out the relatives of vacationers. Some H&W traffic to tell people "all OK" were sent as well...

|> --

|> =====  
|> Patrick D. Walters                      Washington State University  
|> i79947779@wsuaix.csc.wsu.edu      NW Collegiate Cycling Conference Director  
|> Voice at (unavailable)              KB7VPO  
|> =====

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Daniel Senie                              Internet:      dts@questar.banyan.com  
Banyan Systems, Inc.                      CompuServe:    74176,1347  
508-898-1188                              Packet Radio: N1JEB@KA1SRD.MA

-----  
Date: 12 Jul 1993 12:53:53 GMT  
From: news!sun1.clark.net!andy@uunet.uu.net  
Subject: Icom IC3-SAT M0d?  
To: info-hams@ucsd.edu

I know that the IC2-SAT can be modified for expanded RX coverage.  
But has anyone attempted to modify the 220 MHz unit? If so, what  
were the results??      Many thanks.    -K4ADL

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"A mind is a terrible thing to taste."  
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- Jeff D.

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Date: Mon, 12 Jul 1993 15:55:09 GMT  
From: pa.dec.com!nntpd2.cxo.dec.com!goedux.enet.dec.com!jepsen\_st@decwrl.dec.com  
Subject: Kenwood TH28 intermod problem.  
To: info-hams@ucsd.edu



: In article <1993Jun25.161413.2111@linqat.tandy.com> kenb@linqat.tandy.com (ken  
brookner) writes:

: >

: >can someone point me to or provide information on designing quagis? i've  
: >built some following the plans in the arrl handbooks -- and they work well,  
: >but would like to do some design work myself. i've never seen information  
: >on their design, i.e. element spacing, loop length, and the like.

: >

:

: I have posted this stuff before. I have a xerox of a QST page  
: 34, but no date. On much of the Quagi stuff I have from QST, there are no  
: dates on any of the pages. The reason for this is that the left hand  
: page has page number and the QST logo. The right hand page has the  
: page number and the date. Could the Editor of QST fix this and ID and  
: date all pages?

:

: I assume it is sometime around 1978. The headline says  
: "Additional Bands for the Quagi" The article explains how to scale a  
: quagi.

:

: I have typed this in before, I am sure it is archived in the  
: QST CD-ROM.

:

: Maybe someone could grep through the rec.radio.amateur.misc  
: stuff of the past and dig it up.

:

: --

: Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495  
: Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

Recent editions of the ARRL handbook have quagi dimensions for several  
bands...

73, Terry

--

Terry Conboy	email: tconboy@uswnvg.com
U S WEST NewVector Group	packet: n6ry@n7ipb.wa.usa
3350 - 161st Ave SE, MS 571	office: (206) 450-8388
Bellevue, WA 98008	fax: (206) 450-8399

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Date: 12 Jul 1993 13:46:39 GMT  
From: usc!howland.reston.ans.net!noc.near.net!jericho.mc.com!fugu!  
levine@network.UCSD.EDU  
Subject: Questions on HTs  
To: info-hams@ucsd.edu

In article 8422@cnsvox.uwec.edu, whitemp@tig (Mike White) writes:

>Hi-

> Has anyone had experience with Radio Shack's 2m Handie Talkie?

>

> I'm a bit new to all of this (I had my Novice 10ish years ago,  
> dropped out, and am begining again as a No Code tech... yep, I'm  
> going to be going for code sometime RSN...)

>

> Anyhow, if there are other HTs that are noteworthy (and Cheapish...  
> I'm looking for something around \$350,) I'd appreciate any info.

>

> Thanks and 73's

> -mw-

Sri, no experience with that radio, but please, if you buy it dont  
ask if there are any mods!!!!

-----  
Date: 12 Jul 93 01:47:31 GMT

From: gatech!europa.eng.gtefsd.com!howland.reston.ans.net!sol.ctr.columbia.edu!  
news.unomaha.edu!cwis.unomaha.edu!ncc2001@RUTGERS.EDU

Subject: Questions on HTs

To: info-hams@ucsd.edu

Although my ticket has not come in yet (7 weeks and counting!), I did get to  
use my HTX-202 at Field Day. It worked very well, my best contact being over  
20 miles on 3 watts simplex using a 1/4 meter ground plane antenna I made  
myself. It is not a bad radio for the \$270 price, but you can't  
monitor out of the 2 meter band. I got mine at a ham radio  
store here in Omaha used for \$150, so I think it is a great  
bargain.

--

Michael Fortner	*	"I've got all this love to give and	
NO???	*	so far all I have is my ham radio"	
ncc2001@cwis.unomaha.edu	*	-Selma Bouvier	

-----  
Date: 12 Jul 1993 18:30:08 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!  
ux1.cso.uiuc.edu!usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!  
news@network.UCSD.EDU

Subject: SWR

To: info-hams@ucsd.edu



>I have a shortened (51 ft) G5RV that really gets out on 20 and 40  
> meters and but isn't all that great on 10 and 15 meters. When I checked  
> the SWR on 20 it is about 2.7:1 more or less across the band. 40 is a  
lot  
> worse as is 15 and 10 meters. However it loads up great on 20 and 40  
> and works great there. It will load up on 15 it doesn't work all that  
> well and 10 is worse then that. My question is why doesn't it work as  
> well on 15 and 10 as 20 and 40 do? As a antenna itself doesn't actually  
> have to be resonant on a frequency is it just radiation efficiency  
> that determines whether a antenna works well or not? I am not really  
> sure why two antennas, both non-resonant, will have one that works  
> much better then the other one. Thanks for any answers here!

Probably because "all other things aren't being equal". I wonder if the  
power into the antenna (antenna = radiating thing) is the same in each  
case. Also height above ground can affect performance. This height  
(referenced to a wavelength) varies with frequency.

Also the radiation pattern is very different as the length (again in  
electrical degrees) of the antenna (antenna = radiating thing) changes,  
when the frequency changes.

In short, as you change frequency, it's not the same antenna.

73 de K9CUN, Jack

-----  
Date: Mon, 12 Jul 1993 16:25:56 GMT  
From: swrinde!cs.utexas.edu!uwm.edu!linac!att!cbnewsm!jeffj@network.UCSD.EDU  
Subject: SWR!  
To: info-hams@ucsd.edu

In article <930710222036.7fea@MAR65.MAR.ORA.FDA.GOV>  
ODONNELL@MAR65.MAR.ORA.FDA.GOV writes:

>Hi All,

>

>I mean, its certainly easier to de-tune the antenna (lengthen or  
>shorten it to change its IMPEDANCE) to lower that dreaded SWR, at least  
>on wire antennas. Doing so, of course changes the true "resonance" of

>the antenna, but who cares if it radiates well. The result tho' is a  
>"resonant" system, and probably not a resonant antenna in the truest  
>technical sense. Which, is fine for most of us, most of the time.  
>If it works well, then that was the goal, right? But that doesn't  
>mean what some of us say.

I have a shortened (51 ft) G5RV that really gets out on 20 and 40 meters and but isn't all that great on 10 and 15 meters. When I checked the SWR on 20 it is about 2.7:1 more or less across the band. 40 is a lot worse as is 15 and 10 meters. However it loads up great on 20 and 40 and works great there. It will load up on 15 it doesn't work all that well and 10 is worse then that. My question is why doesn't it work as well on 15 and 10 as 20 and 40 do? As a antenna itself doesn't actually have to be resonant on a frequency is it just radiation efficiency that determines whether a antenna works well or not? I am not really sure why two antennas, both non-resonant, will have one that works much better then the other one. Thanks for any answers here!

>  
>Paul  
>WB2OYC

Thanks for the good article Paul!

Jeff

--

Jeff Jones	AB6MB		OPPOSE THE NORTH AMERICAN FREE TRADE AGREEMENT!
jeffj@seeker.mystic.com			Canada/USA Free Trade cost Canada 400,000 jobs.
Infolinc BBS 415-778-5929			Want to guess how many we'll lose to Mexico?

-----  
Date: 12 Jul 93 13:33:09 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: U of I, IP address??  
To: info-hams@ucsd.edu

Hello,  
Could some one around the U of I tell me who the Coordinator is down there for anip address? Phone number too if avail.. Looking for an address for the Danville/Champaign area.... Also, Can anyone down there shed any light onany possible gateways in that area? I would like to hear especially about any packet or dialup gateways.. Thanks in advance for your replies...!! Todd.  
wf9s@pgd.adp.wisc.edu  
608.839.4159  
73...

-----  
Date: 12 Jul 1993 15:04:01 GMT  
From: math.ohio-state.edu!magnus.acs.ohio-state.edu!usenet.ins.cwru.edu!  
howland.reston.ans.net!ux1.cso.uiuc.edu!uwm.edu!linac!uchinews!cs.umd.edu!  
skates.gsfc.nasa.gov!NewsWatcher!@sdd.hp.com  
Subject: VHF E-SKIP/Weekly Rpt./W1DGA  
To: info-hams@ucsd.edu

Need more out of USA Data! Also would like more of US in data base. Pse  
send me input. Dick/ W1DGA

1993 Data

MAR08 AU 830+-PM EST AU on 2M to W8,W2,W1 etc  
JUN02 6EE W3&W4 DC area to Azors , note w5 to Azors at same  
time, plus hearing both sides!  
JUN03 6E DC area to Cuba C02KK  
JUN04 6AU Weak AU to VE3 & W2  
JUN05 6EE Midatlantic to CT0 and rpts of EH (Spain)  
JUN06 10EE Only got to 10 meters, to CT land  
JUN07 6E MD>Fla & W5?  
JUN09 6E Chicago>TEX@3:31 GMT-from BBS  
JUN09 2E LA>WHY & CO at approx. )0600 GMT-RPT on BBS  
JUN11 6E MD>VE4,VE2,K0,FLA  
JUN12 6E MD>9Y4,HH2,C02,VP2E,  
JUN12 2E MD>MO &KAN, quick opening. W0JRP in MO.-Rpt of W3ZZ during  
VHF contest  
JUN13 6E MD>TEX  
JUN13 6EE EAST Coast>1813-1837Z, G,DK,PA,S59UN,SM7+OX Beacon @0240Z &  
OX3LX in also.GB3SIX Beacon@0319Z+1HR later.Rumors of W1>Russia/UA1.  
JUN15 6E FLA.NE&VA@9:10-9;15PM+MD>ARK,FLA, FLA>MD@12:20PM  
JUN16 2E 0140-0141Z(GMT 17th). N.Ill>TEEx.. AA9D>EL09  
JUN16 6EE MD>TEX@7:10PM+NEW MEX(DM62)+Also LOU,KAN,ARIZ,  
JUN17 6E MD>VE1/FM65+Rpts OX/B>W8/OHIO  
Jun18 2E MD/VA>E.Texas. Dallas &Houston .  
Area. Grids 29,00,12-K4HJF data. 8:15-9PM local  
JUN21 2E MD/VA to Midwest area, MO+. Approx 5 (all different grids)  
stations in weak.Action just before 9PM local. W0QP,WBQCCL,N0LL,K0TLM,KW0T,  
EM29,EM09,EM28,EM16?  
JUN21 6E CT3>GA & Wash State rpt on 28.885+MD>Utah and midWest+VE#  
beacon heard during CT3 into other areas!  
JUN24 6E ALA.>MD, EM51;EM60;EM65;EM22;EL88  
JUN27 6E Short opening MD>Louisiana during Field Day  
JUN30 6E VE1>MD,IDAHO,MASS!,VE2,NJ@9PM local  
JLY01 6E MD>ZF1,FLA@abt 8:30PM+FLA+EL96;EM92;EL99  
JLY02 6E No E Heard in MD!  
JLY03 6E MD>EL59@11:12AM;EL95+W5+ZF2QR/EK99+VP2M0+Lou=VP2EE  
JLY04 6E MD>KP4/FK86@11:35AM+  
JLY05 6E MD>Co2KK@4:00PM+5:45 local;EM72/Ala+Miami>Tenn (any E on 2?)

JLY06 6E MD>ZF2QR@7:59PM local  
JLY07 6E No DATA  
JLY08 6E MD>W5@8:26PM local & W7+N0LL/B, S.DAK+DM08/Nev+Cal@8:32Pm  
local+Wash State@8:36  
JLY09 6E MD>Ark@7:40Pm+Lou

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Date: 12 Jul 1993 13:41:54 GMT  
From: swrinde!gatech!howland.reston.ans.net!noc.near.net!jericho.mc.com!fugu!  
levine@network.UCSD.EDU  
Subject: Yaesu FT-530 or Alinco DJ-580T?  
To: info-hams@ucsd.edu

>Depends on your listening needs. The Yaesu is probably a better quality  
>rig, but there is no expanded receive coverage. If you just want a dual

-----  
>bander for the ham bands, and can afford the extra dollars, the Yaesu  
>is the way to go.

>  
Your information is in error. The FT530 has expanded coverage including  
aircraft am and 800-950 (or so) plus the upper 400mhz public service bands  
by the removal of a solder jumper. I did this mod in 10 minutes with a bit  
of solder wick. Also, it covers 430-450 tx & rx out of the box, which is  
good for us international travellers since 430-440 is the fm repeater  
section of UHF in other countries. Also, you can enable 1750 hz tone  
burst for European use.

73 KD1GG

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Date: 12 Jul 93 15:16:41 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!gatech!news-  
feed-1.peachnet.edu!concert!duke!news.duke.edu!ee.ee.duke.edu!jbs@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Jul7.202814.1351@gallant.apple.com>, <17438@news.duke.edu>,  
<930709.230629.5k6.rusnews.w165w@garlic.sbs.com>rt  
Subject : Re: "Necessary features" and the FT-5200 (was Re: Repeater coordination,  
complaints?)

In article <930709.230629.5k6.rusnews.w165w@garlic.sbs.com> system@garlic.sbs.com  
(Tony Pelliccio) writes:

>> There are several local hams who have 5100s (may be older than yours), and  
>> they all said their radios would only do crossband repeat on low power.  
>> I'll mention your experience to them, and maybe they can get their radios

>> modified to work at full power.

>Perhaps if you'd said that in the beginning, this whole thing might not  
>have started.

Said \*what\* in the beginning?! Talk about revisionism - this "whole thing"  
started because you claimed that PL decode was "not necessary on any mobile  
or HT," and then proclaimed that I had been "rooked" because I bought the 5200  
instead of the 5100. Gee, I can't seem to pry the control head off my 5100.  
What am I doing wrong?

> My 5100 WILL do 50W in x-band but they recommend against  
>it, same as they do with the 5200.  
>  
> Tony Pelliccio kd1nr/ae

I have seen nothing recommending against running the 5200 on high power in  
xband repeat mode. Who is "they," anyway?

OBcontent: I found another need for PL decode on a mobile radio recently.  
Our club just put its new 443.475 repeater on the air, and a whole slew of us  
who have been primarily using a 147.225 repeater have begun using the 70cm  
repeater for most of our communications. However, many of us still use the  
2m machine frequently as well. Obviously this freq pair causes problems  
for a dual-band rig - the solution is going to be a PL tone on the 70cm  
repeater output and tone squelch on the mobiles and HTs.

-joe KD4LLV

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You spend the night  
Like you were spending a dime  
- Lyle Lovett

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End of Info-Hams Digest V93 #844

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